

Sun City Computer Club

MUG MAC Users Group

December 28, 2022

**Questions, Comments, Suggestions welcomed at
any time**

Even Now

- Audio recording of this session as MP4 file
- Audio recording available at link shown above

Audio Recording In Progress

**SIG attendees are required to be members of the chartered club sponsoring that SIG.
Sun City Community Association By-law**

- Ever want to be a presenter??

Presenter???

- LastPass password Manager
- Twitter 400 million accounts
- Tik Tok ban

Security

- Apple has released security updates to address vulnerabilities in multiple products. An attacker could exploit some of these vulnerabilities to take control of an affected device.
- iCloud for Windows 14.1
- Safari 16.2
- macOS Monterey 12.6.2
- macOS Big Sur 11.7.2
- tvOS 16.2
- watchOS 9.2
- iOS 15.7.2 and iPadOS 15.7.2
- iOS 16.2 and iPadOS 16.2
- macOS Ventura 13.1
- And HomePod 16.2

Apple Updates Everything

- Freeform app
 - AppleID, iCloud
 - Bulletin-board type canvas
 - text, images, files & documents, shapes, ...
 - collaboration
 - Tic Tac Toe
- iCloud encryption
 - Advanced Data Protection
- Gatekeeper flaw Achilles

MacOS 13.1 iOS 16.2





Mini Time Machine



Parallels



Boards

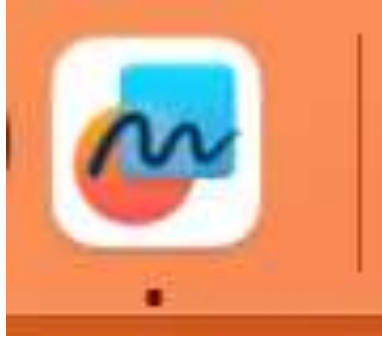
- All Boards 1
- Recents 1
- Shared 0
- Favorites 0

All Boards

Search

Untitled
12/27/27, 3:14 PM





- Safari 16.2
- iOS 15.7.2
- Monterey 12.6.2
- Big Sur 11.7.2
- tvOS 16.2 Apple Music Sing

Updates

9:41 AM Tue Jan 9

100%



Hey Jude, don't make it
bad

Take a sad song and
make it better

Remember to let her
into your heart

Hey Jude
The Beatles

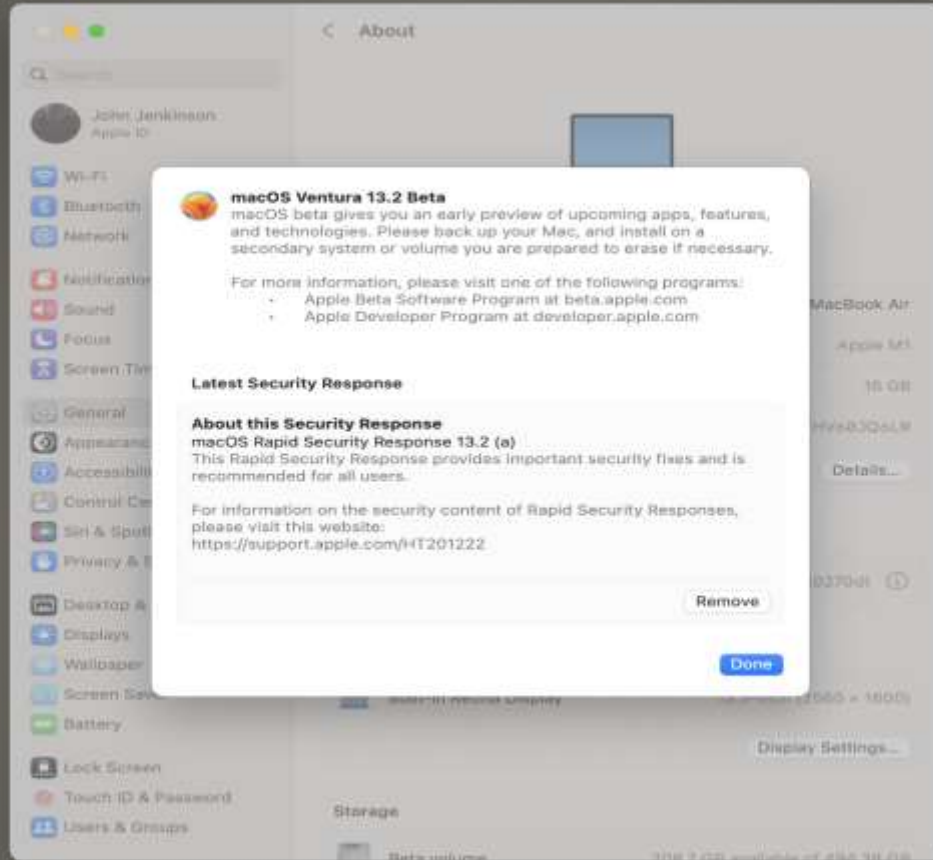


0:03

-7:08



Apple Music Sing



Future of Apple Updates?

- iDevices SIG needs a leader
- iDevices news needs an outlet
- Mac and iDevices are getting closer to same interface/functions
- So, MUG will attempt to add features until iDevices SIG resumes with replacement leader

Speaking of Updates ...

- iCloud website design change
Customizable
Change, Hide tiles, etc.



Apple iCloud changes website

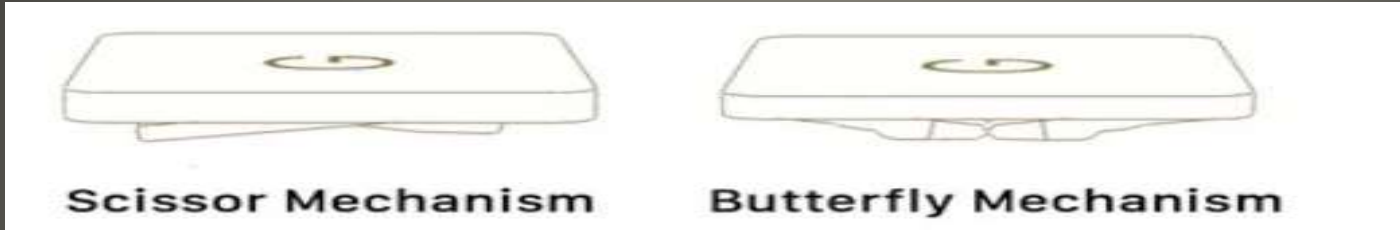
- Apple to launch search engine?
Engineers from Google – back to Google
Spotlight, Siri, Siri suggestions
Google pays Apple \$15B/year default search
Development to power Apple Music & store
- Multiple external monitors with Apple
silicon
Studio Display \$1,599
Pro Display XDR \$4,999 w/o stand
7K resolution 64GB

Apple News

- EU Digital Markets Act 2024
Third Party App store
Third Party payment systems
Sideloaded
iOS & iPadOS
MacOS No - Notarized - Any & All

Apple News

- MacBook M2 model release postponed
- MacBook with Butterfly keyboard?

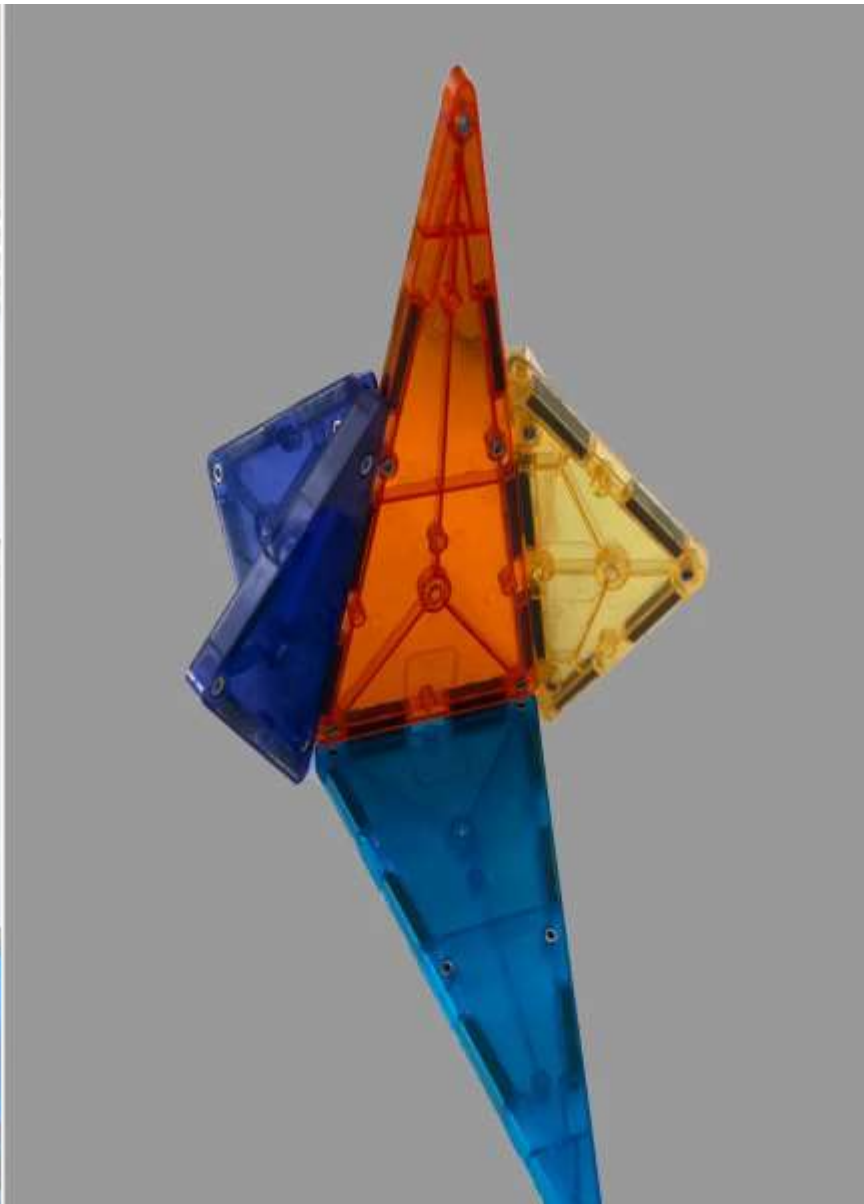


- Butterfly Era 2015-2017 MacBook
2018-2019 MacBook Air
2016-2019 MacBook Pro
- Recent judgement \$50m payout
- \$395 Multiple keyboard replacements
- \$125 One keyboard replacement
- \$50 One key replaced
- Purchased 2015-2019
- California, New York, Florida, Illinois, New Jersey, Washington, Michigan

Butterfly Keyboard

- iOS 16 iPadOS 16 Instantly remove background from images

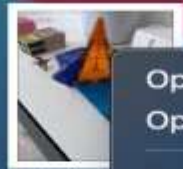
macOS Ventura



- Photos app
Right-click on image
Choose **Copy Subject**
Adjust
paste the subject
- Desktop / Finder
Select photo
Right-Click on image
Quick Actions
Remove Background

PNG copy

macOS Ventura – remove background



img_0

- Open
- Open With >
- Remove Download
- Move to Trash
- Get Info
- Rename
- Compress "img_0491"
- Duplicate
- Make Alias
- Quick Look
- Copy
- Share...
- Tags...
- Quick Actions >
- Set Desktop Picture

- Rotate Left
- Markup
- Create PDF
- Convert Image
- Remove Background**
- Customize...

- New generation MacBook Pro
Faster RAM
600GB/sec M2 Max (M1 Max 400GB/sec)
- Stable Diffusion



Current Issues

- StableDiffusion speed improvement
Apple silicon macOS 13.1 Beta
Optimizations Neural Engine & GPU
- iOS 16.1.2 Security Updates
Improved compatibility with wireless carriers
Improved crash detection iPhone Pro 14
False Positives
- iOS 16.2 December 14

Current Issues

- iPhone 12 Pro & Max
- iPhone 13 Pro & Max
- iPhone 14 Pro & Max
- LiDAR Laser Imaging Detection & ranging
- Measure app
- Full person image
- Wait

Measure a person's height



- Menu Title for the action changed Ventura
- Keyboard shortcut
Edit old keyboard shortcut

-or-

System Settings > Keyboard > Keyboard shortcut

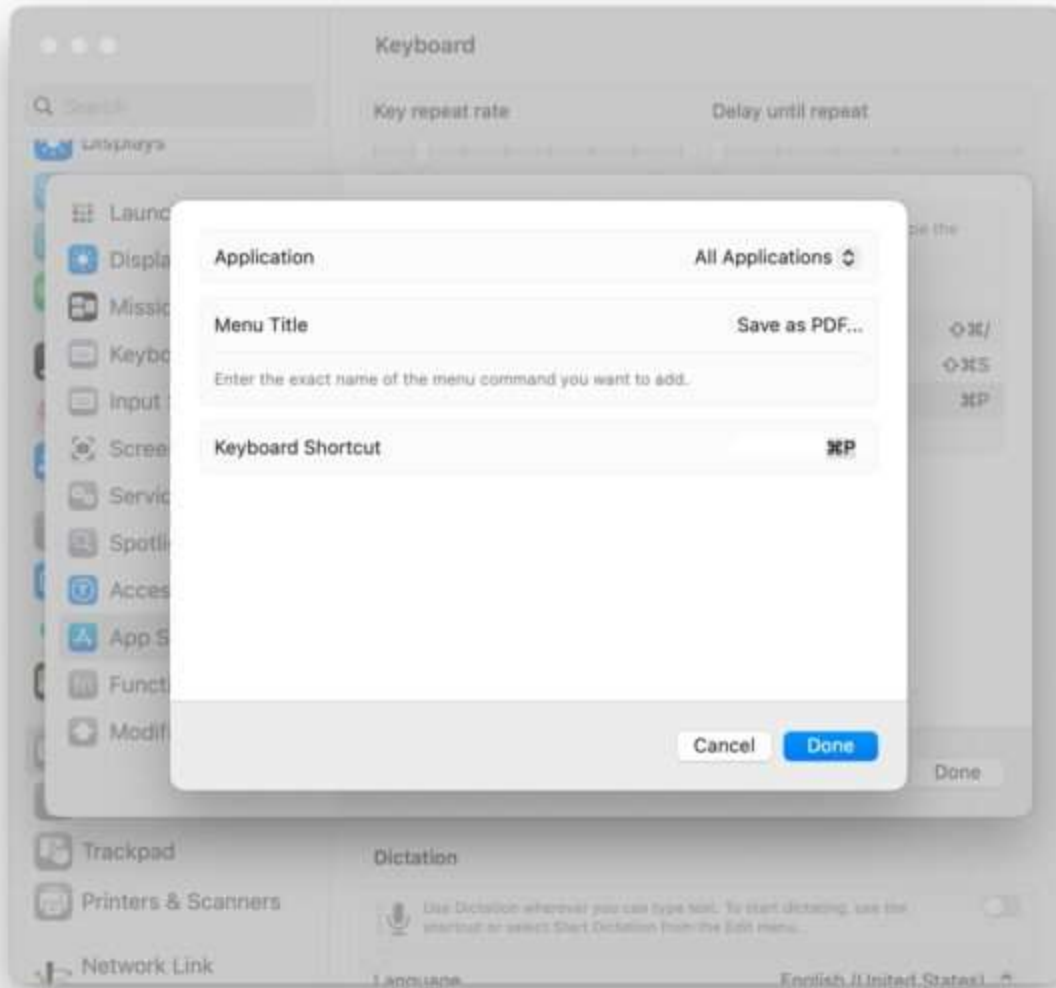
Select App Shortcuts

+ sign to add new shortcut

EXACTLY "Save as PDF..."

Command + P

Save as PDF



- 2023 models with M2 Pro & M2 Max
- 20" foldable MacBook -> 15.3"
- OLED

New MacBooks?

- Ventura (System Settings)
- Monterey & prior (System Preferences)
- Why? More like iOS & iPadOS
- Safari > General Preferences



- OR new keyboard shortcut "Quit Safari"

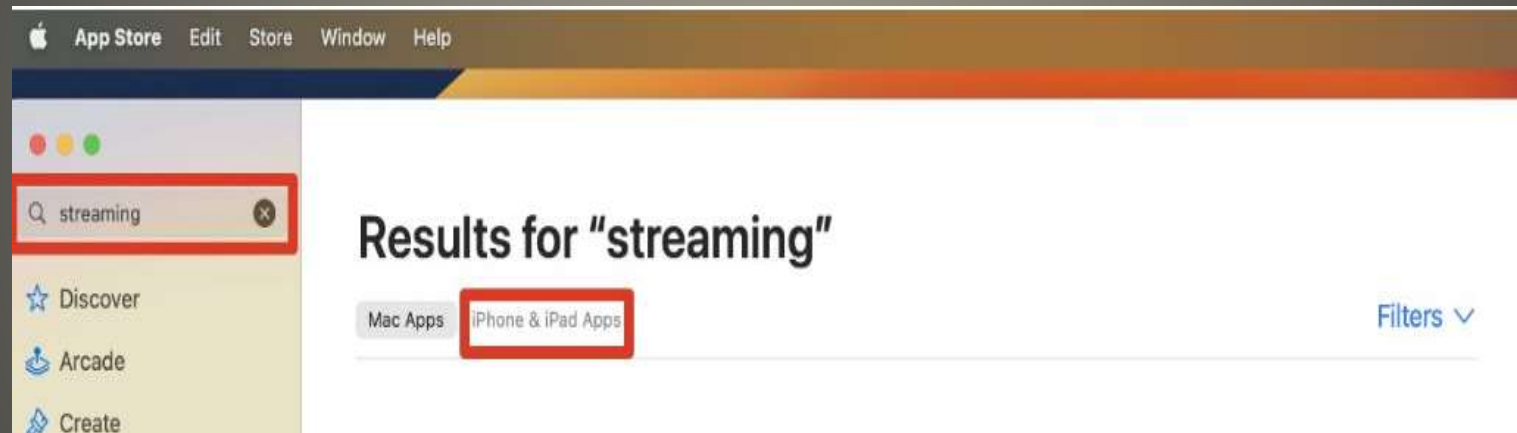
Safari Accidental quit?

- System 7
- MacOS 8
- MacOS 9

- Infinite Mac

Old Mac apps?

- App Store > Discover
iPhone and iPad Apps for Mac with Apple Silicon
- App Store > Search



**Will that Apple Store App run on
my Apple Silicon MAC**

- Desktop paradigm

Calculator, typewriter, rolodex, etc.

Differences

Modifier keys

Windows CTRL ALT Win

MacOS CTRL Option Command

eg CTRL + C CTRL + V

CMD + C CMD + V

Menu Bar shows Keyboard shortcuts

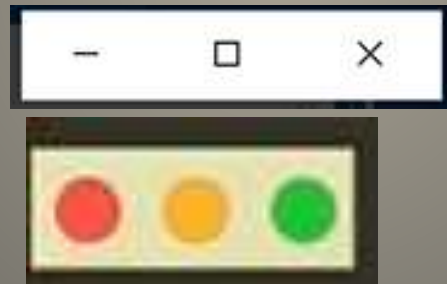
FN key -> Globe Key

Suggestion switch physical keyboards

MacOS, Windows, Linux, ChromeOS, etc.

- Windows Start & Search
- MacOS Launchpad & Menu Bar
- Windows Menu on each app/Window
- MacOS Menu Bar changes for each App

- Windows
- MacOS



Windows & MacOS differences

- Windows Top Right
- MacOS Top Left
- MacOS Option + Green button
Maximize to screen size of window needs
- Quitting Apps
- MacOS Red Button does NOT quit App
CMD + Q
- Uninstall Apps
- Windows App List then Uninstall
- MacOS Launchpad Click & Hold Wiggle X button
Finder > Apps Drag to Trash
Use App Uninstall

Windows and MacOS Differences

- Windows New Empty File
- MacOS App New File
- Trackpad

Windows and MacOS Differences

- App Availability
- Unfamiliar Interface
- “They copied” _____
- Connectivity
- Price
- Gaming

6 Reasons Users do not switch to MAC



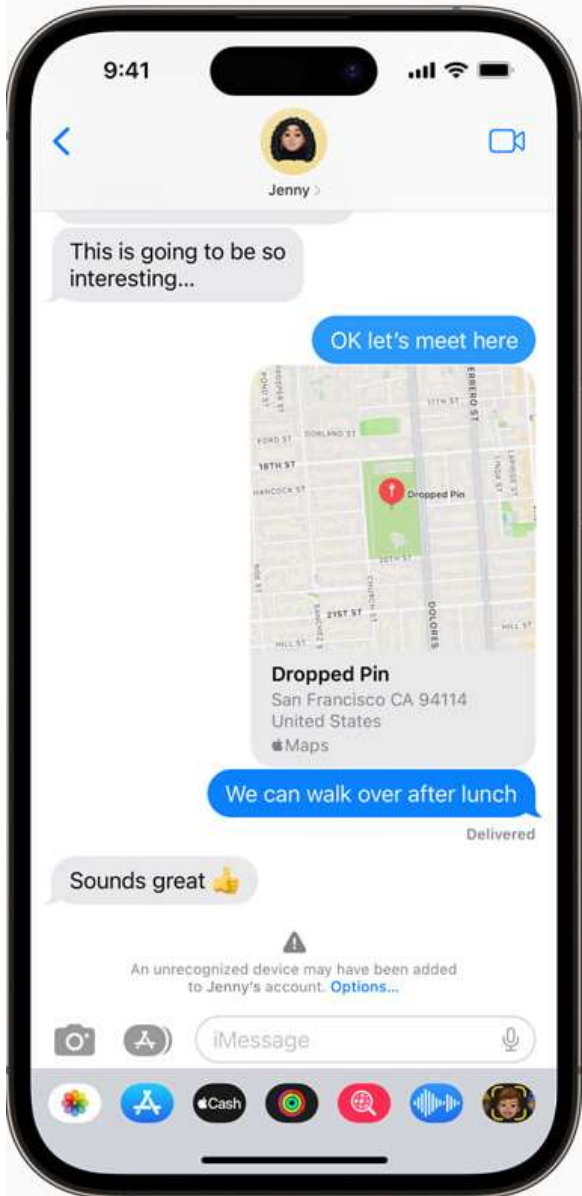
Apple Enhanced iCloud Encryption

- End-to-End encryption
- Encryption double edged sword
- No one else
 - Not Apple, Not Law Enforcement
- Encrypt iCloud backups already
- EFF et al “yea”
- FBI “Hey”

Apple Enhanced iCloud Encryption

- iMessage Contact Key Verification
- Security Keys for Apple ID
- Lockdown Mode

Other Apple privacy initiatives



An unrecognized device may have been added to Jenny's account. [Options...](#)



Cancel



Two-Factor Authentication

Use a security key to sign to your account with your Apple ID:

jenny.court@icloud.com

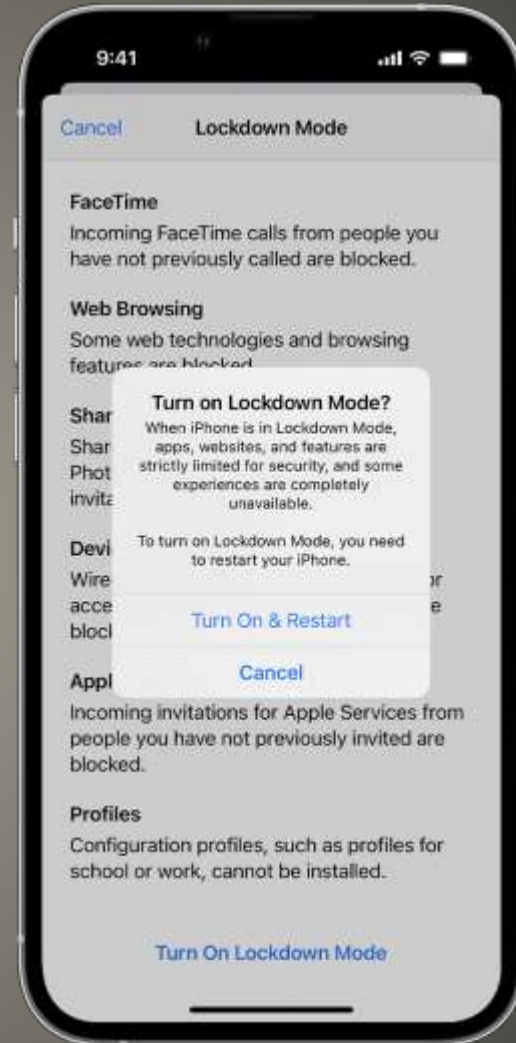
Apple ID



Use Your Security Key

To sign in, insert and activate one of your security keys. If you have an NFC key, bring it near the top of this iPhone.

Lockdown Mode



- How Lockdown Mode protects your device
- When Lockdown Mode is enabled, some apps and features will function differently, including:
 - Messages - Most message attachment types are blocked, other than certain images, video, and audio. Some features, such as links and link previews, are unavailable.
 - Web browsing - Certain complex web technologies are blocked, which might cause some websites to load more slowly or not operate correctly. In addition, web fonts might not be displayed, and images might be replaced with a missing image icon.
 - FaceTime - Incoming FaceTime calls are blocked unless you have previously called that person or contact.
 - Apple services - Incoming invitations for Apple services, such as invitations to manage a home in the Home app, are blocked unless you have previously invited that person.
 - Shared Albums - Shared albums are removed from the Photos app, and new Shared Album invitations are blocked. You can still view these shared albums on other devices that don't have Lockdown Mode enabled. When you turn off Lockdown Mode, you need to turn Shared Albums on again in your device settings.
 - Device connections - To connect your iPhone or iPad to an accessory or another computer, the device needs to be unlocked. To connect your Mac laptop with Apple silicon to an accessory, your Mac needs to be unlocked and explicit approval provided.
 - Configuration profiles - Configuration profiles can't be installed, and the device can't be enrolled in Mobile Device Management or device supervision while in Lockdown Mode.
 - Phone calls and plain text messages continue to work while Lockdown Mode is enabled. Emergency features, such as SOS emergency calls, are not affected.

Lockdown Mode

- You and only you
- Not Apple Not LE Not government ...
- Lose the key not you either
- Credential theft someone else not you
- Info valued and vital to heirs
- NOT On by default
- ALL Devices under an Apple ID need 16.2
Move older devices to another or new ID
- Chose one or both recovery methods
Recovery Contact Recovery key

Advanced Data Protection Cautions

- Recovery Contact
 - Trusted person in contacts lists with Apple device & Apple ID
 - Message to that recovery contact
 - Recovery contact accepts
 - They can help you with recovery access
 - Unable to unlock on their own
- Recovery Key
 - 28-character key
 - Verify the key
 - GUARD that key
- Enable Advanced Data Protection

Advanced Data Protection Cautions

- Web access from iCloud DISABLED
- No One remember NO ONE
- Data already protected
 - Passwords and Keychain
 - Health data
 - Home data
 - Messages in iCloud (but not iCloud backups)
 - Payment information
 - Apple Card transactions
 - Apple Maps (details such as favorites and search history)
 - QuickType Keyboard learned vocabulary
 - Safari (details such as history, tab groups, and iCloud tabs)
 - Screen Time
 - Siri information (details such as settings and personalization)
 - Wi-Fi passwords
 - W1 and H1 Bluetooth keys
 - Memoji already enabled

Advanced Data Protection Cautions

- Advanced Data Protection Options

- iCloud backup

- iCloud Drive

- Photos, including photos in a Shared Library, if everyone in the Shared Library has Advanced Data Protection enabled

- Notes

- Reminders

- Safari Bookmarks

- Siri Shortcuts

- Voice Memos

- Wallet passes

Advanced Data Protection Cautions

- iCloud

Recommended by Apple again and again

Revenue for Apple

Multiple

1-2-3 Backup

Encrypt backup then backup the backup

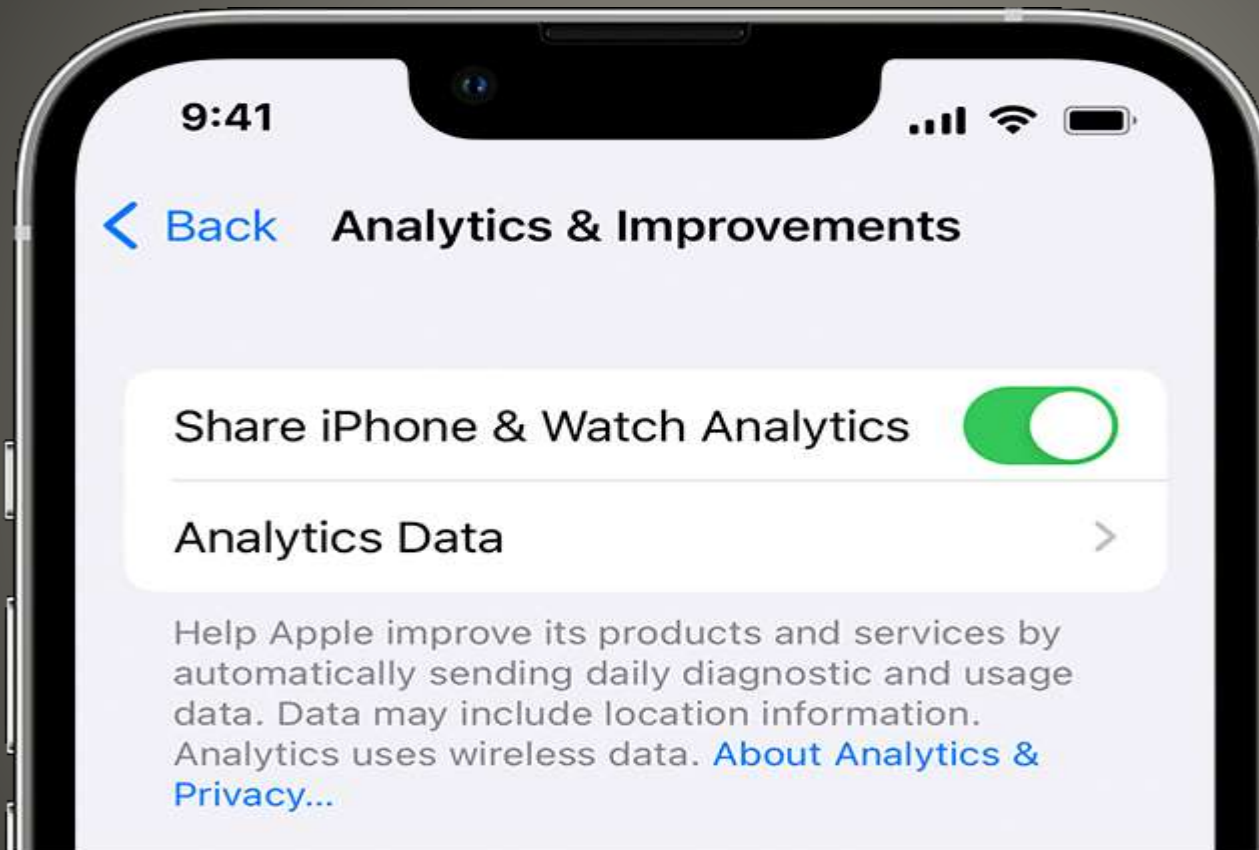
Need to be logged in with AppleID

No Power No Internet

Account taken over

Advanced Data Protection Cautions

- Apple iPhone Analytics privacy setting



Privacy

- App search, ads viewed, how long, etc.
- IDs unique IDs
- Device details, storage, language

Time	URL	Method	Code	Request	Response
22:25:53.091	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	6,58 KB	2 bytes
22:23:19.611	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	6,57 KB	2 bytes
22:23:14.121	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	2,83 KB	2 bytes
22:23:13.640	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	152 KB	2 bytes
22:20:08.480	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	4,55 KB	2 bytes
22:17:16.872	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	6,45 KB	2 bytes
22:15:43.050	https://xp.apple.com/report/2/xp_amp_appstore	POST	200	63,6 KB	2 bytes

Apple App store

- Health
- Wallet
- Apple Music
- Apple TV
- Books
- iTunes
- Stocks

Bypass VPN when using Apple Services

- Apps ask for tracking permission
- Prevents apps seeing IDFA
Identifier for Advertisers

Apple's IDFA Not their tracking Identifier

App Tracking Transparency

- Wi-Fi MAC Address
- Ability to associate with other data
- MAC addresses are unique
MOSTLY

Others

- End-to-end encryption
- UNLESS a recipient is not an iPhone user
- Other messaging services to use Other encryptions

iMessage

- App store

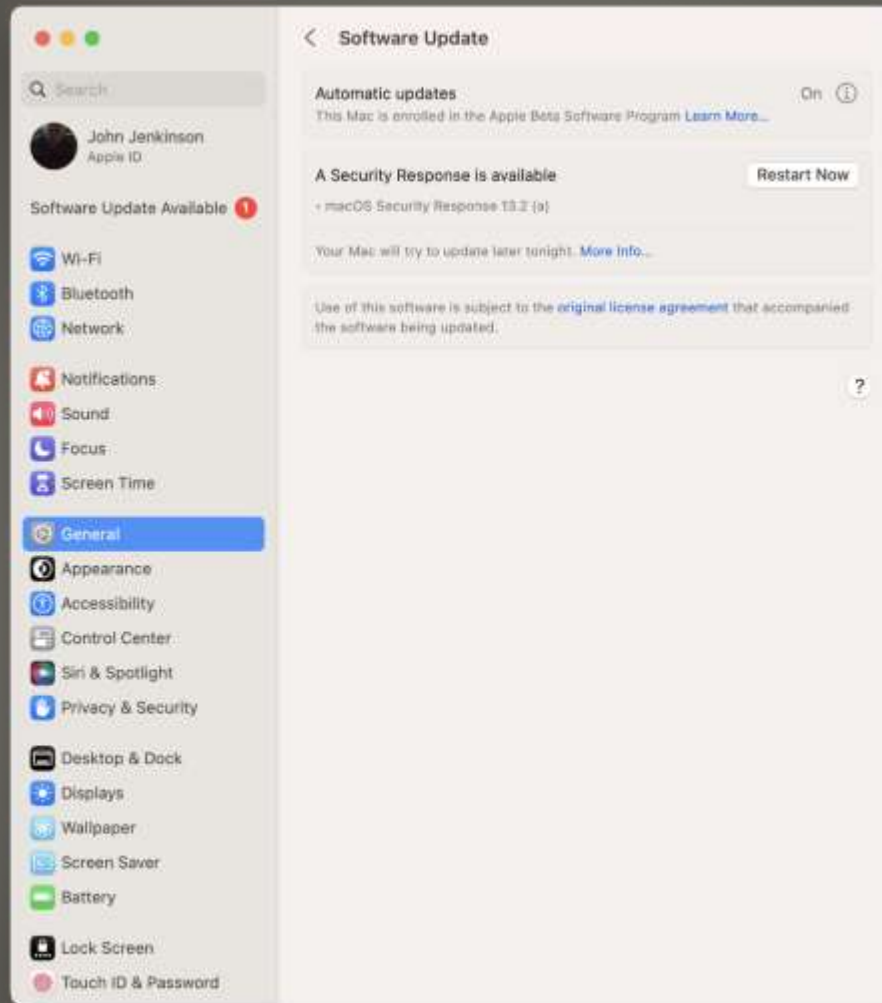
Ads

- On-Device speech recognition
- Audio never (almost) never leaves device
- HOWEVER transcripts always do

Siri

- BUT it can and does use customer data for Apple products

Apple does not sell customer data



macOS Beta Security Response

- [Duckduckgo.com/mac](https://duckduckgo.com/mac)
- Download

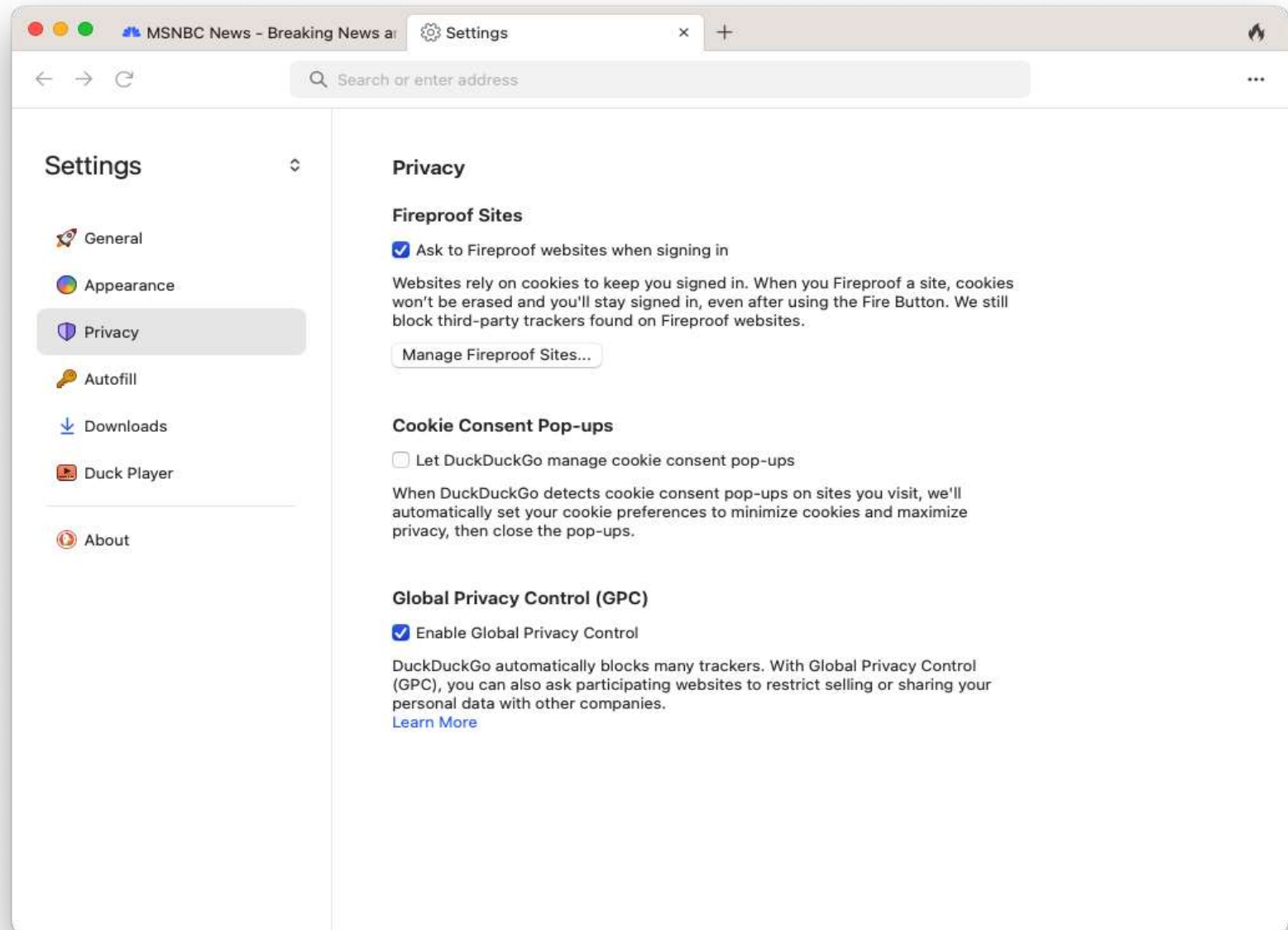
DuckDuckGo browser for Mac



Tired of being tracked online? You've come to the right place 👍
I'll help you stay private as you search and browse the web. Trackers be gone!

[Get Started](#)





Settings

- General
- Appearance
- Privacy**
- Autofill
- Downloads
- Duck Player
- About

Privacy

Fireproof Sites

Ask to Fireproof websites when signing in

Websites rely on cookies to keep you signed in. When you Fireproof a site, cookies won't be erased and you'll stay signed in, even after using the Fire Button. We still block third-party trackers found on Fireproof websites.

[Manage Fireproof Sites...](#)

Cookie Consent Pop-ups

Let DuckDuckGo manage cookie consent pop-ups

When DuckDuckGo detects cookie consent pop-ups on sites you visit, we'll automatically set your cookie preferences to minimize cookies and maximize privacy, then close the pop-ups.

Global Privacy Control (GPC)

Enable Global Privacy Control

DuckDuckGo automatically blocks many trackers. With Global Privacy Control (GPC), you can also ask participating websites to restrict selling or sharing your personal data with other companies.

[Learn More](#)

- BETA
- DuckDuckGo Privacy Essentials for Safari

DuckDuckGo Browser

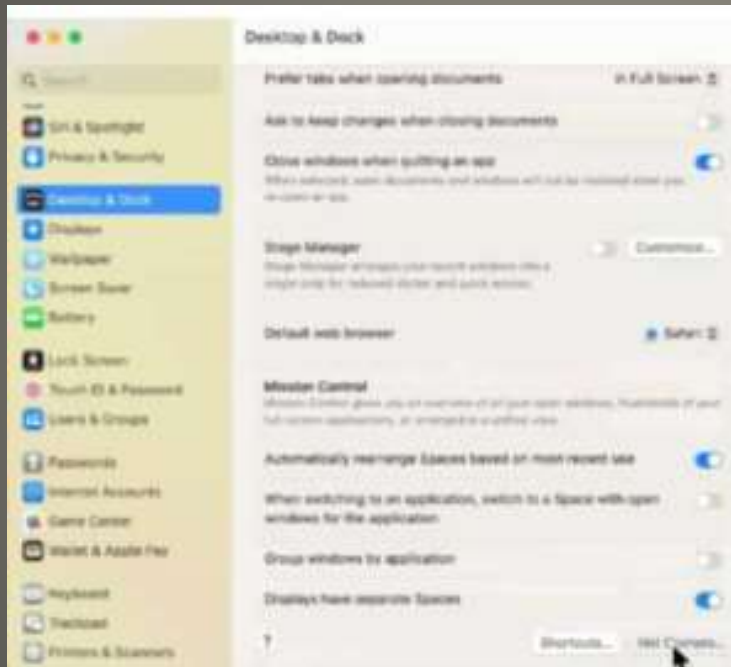
- Search
- Storage

Apple > About This Mac > General > Storage



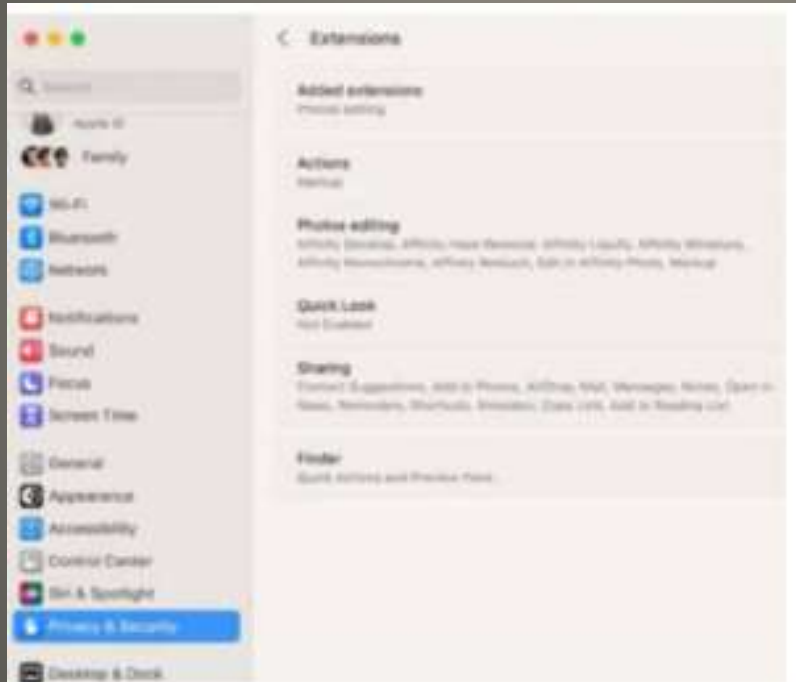
System Preferences
System Settings

- Hot Corners
Desktop & Dock > Hot Corners



System Preferences
System Settings

- Extensions
Privacy & Security



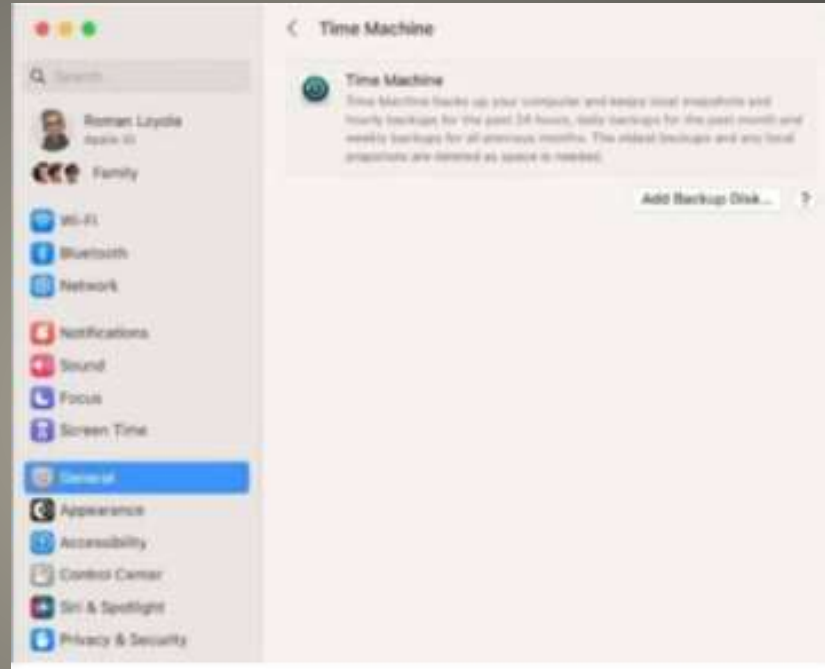
System Preferences
System Settings

- Mission Control
- Desktop & Dock
- Appearance
- General



System Preferences
System Settings

- Time Machine
General



System Preferences
System Settings

- Warranty
Apple > About This Mac



System Preferences
System Settings

- DaVinci Resolve Apple Store

iPad

- SCAM
 - Tied to iCloud account
 - Has firmware password enabled/set
 - Enrolled in MDM program
- Batteries
 - Laptop
 - Other Time-of-day clock
 - NV Ram
- Hard Drive Size Speed
- RESET

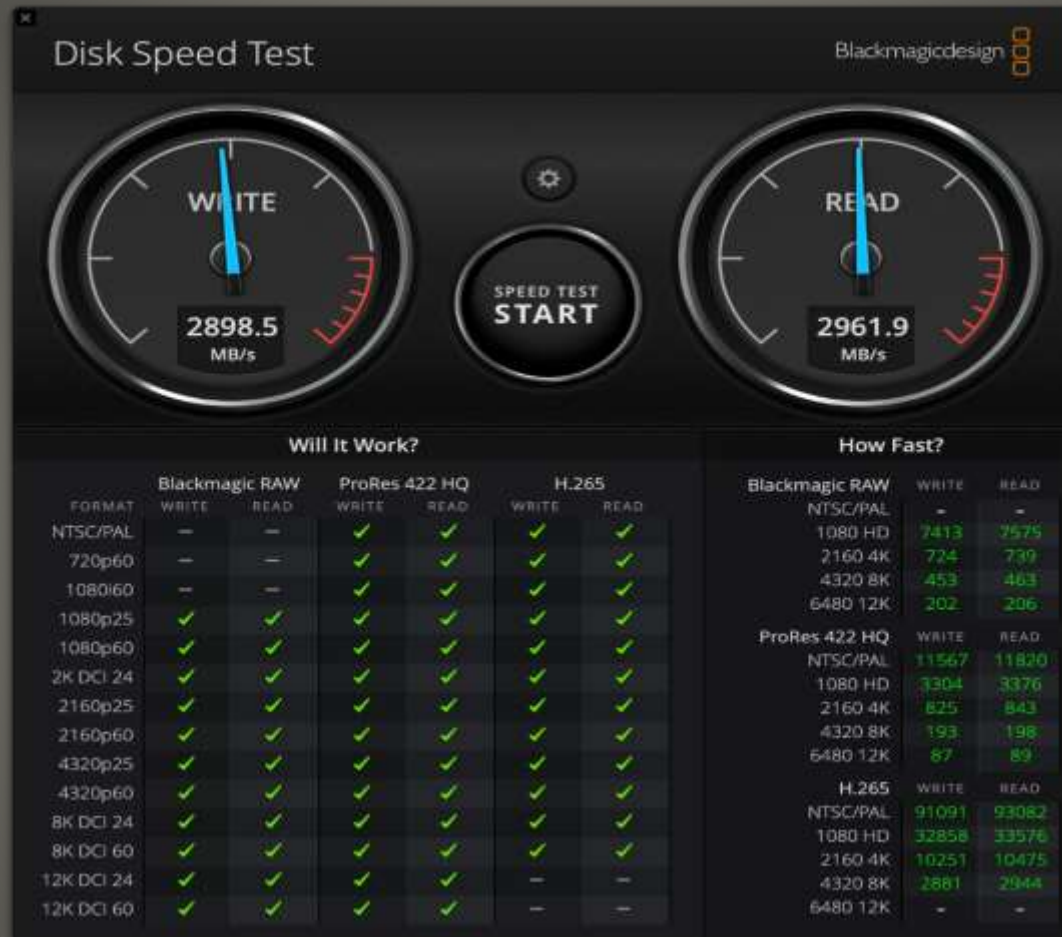
Buying Older Mac

- Keep? IoT automation controller
Device Remote controller
Apps with Wi-Fi
Cheaper cellular plan
- Sell
- Mac Apple > System Preferences
Erase all Content and Settings
Apple > System Settings > General
Transfer or Reset >
Erase All Content and Settings
- iDevices
Settings > General > Transfer or Reset
Device > Erase All Content and Settings

Selling Old Apple Devices

- Blackmagic Disk Speed Test App store

Disk Speed Test



MacBook Air M1

Disk Speed Test

Blackmagicdesign



SPEED TEST
START

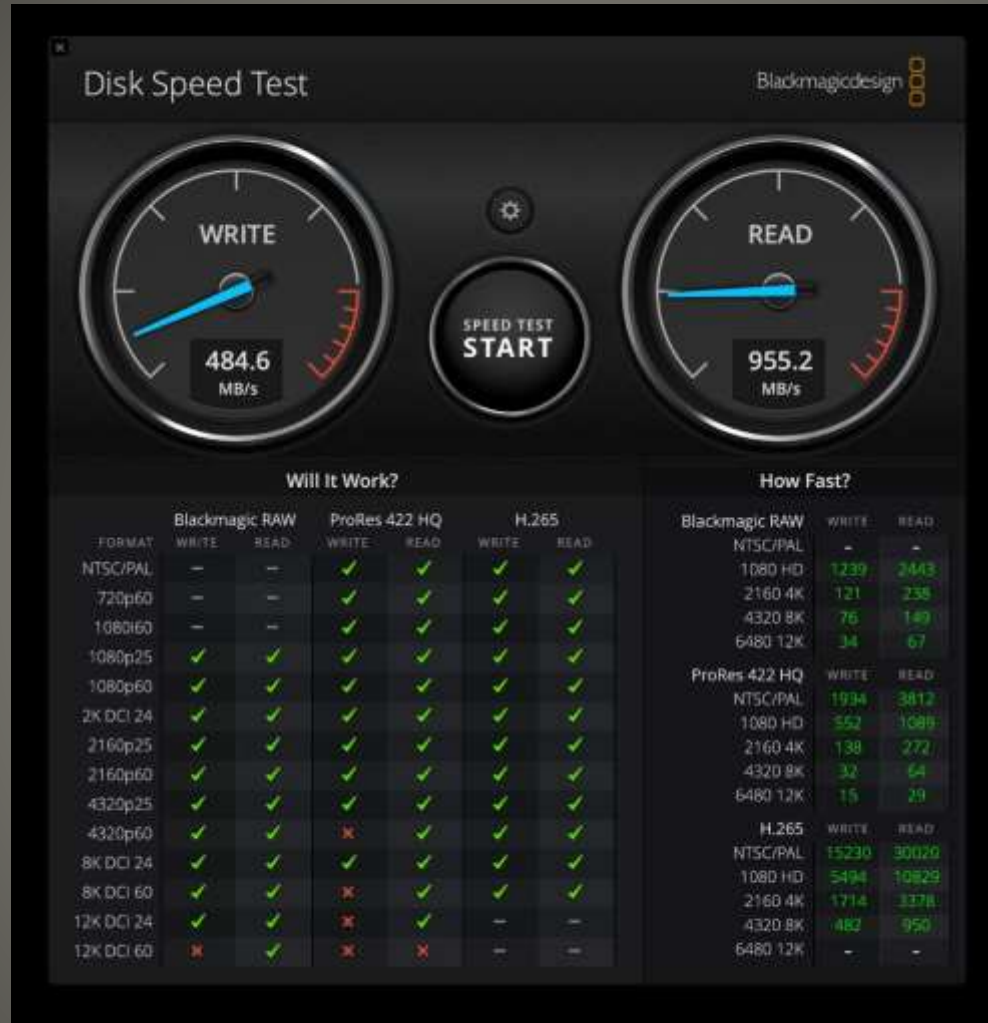
Will It Work?

FORMAT	Blackmagic RAW		ProRes 422 HQ		H.265	
	WRITE	READ	WRITE	READ	WRITE	READ
NTSC/PAL	-	-	✓	✓	✓	✓
720p60	-	-	✓	✓	✓	✓
1080i60	-	-	✓	✓	✓	✓
1080p25	✓	✓	✓	✓	✓	✓
1080p60	✓	✓	✓	✓	✓	✓
2K DCI 24	✓	✓	✓	✓	✓	✓
2160p25	✓	✓	✓	✓	✓	✓
2160p60	✓	✓	✓	✓	✓	✓
4320p25	✓	✓	✓	✓	✓	✓
4320p60	✓	✓	✓	✓	✓	✓
8K DCI 24	✓	✓	✓	✓	✓	✓
8K DCI 60	✓	✓	✓	✓	✓	✓
12K DCI 24	✓	✓	✓	✓	-	-
12K DCI 60	✓	✓	✓	✓	-	-

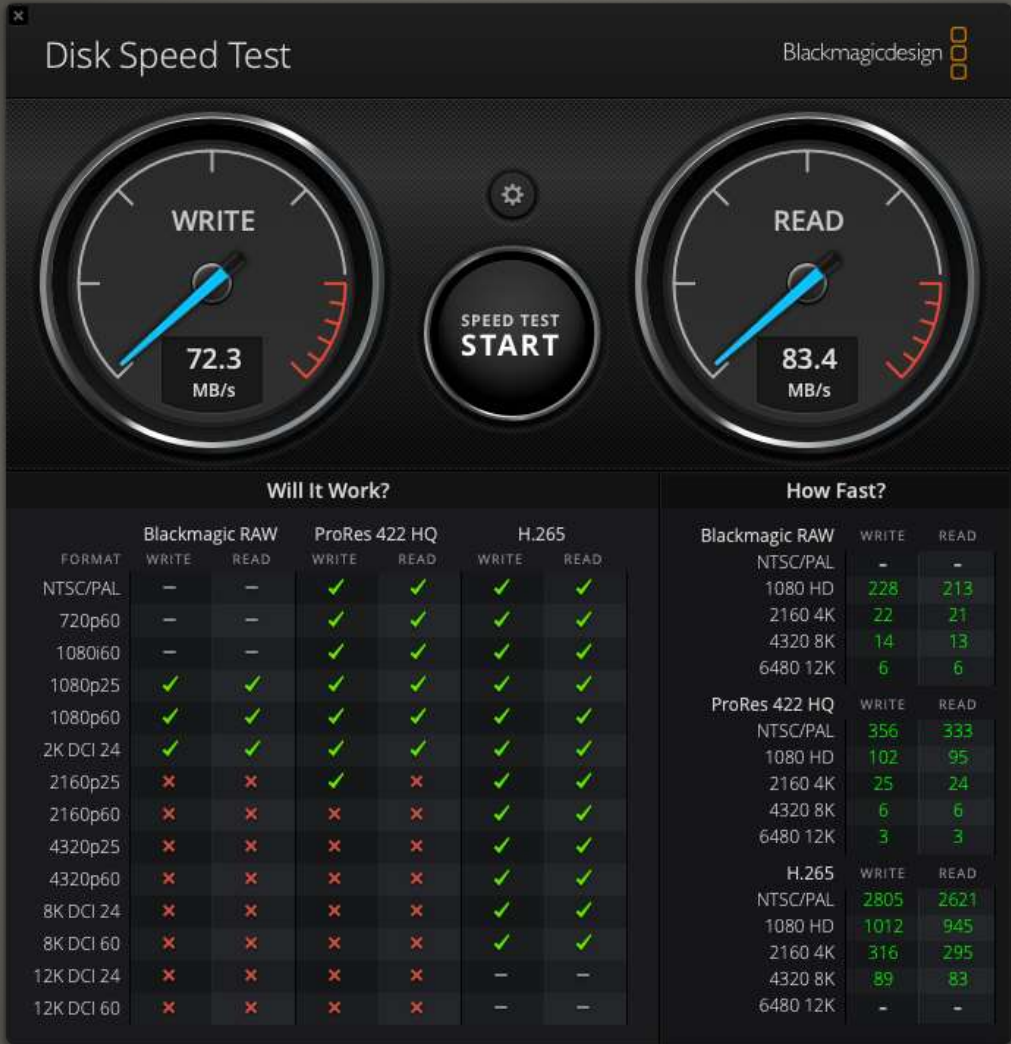
How Fast?

Blackmagic RAW	WRITE		READ		
	WRITE	READ	WRITE	READ	
NTSC/PAL	-	-	-	-	
1080 HD	5259	7606	-	-	
2160 4K	513	742	-	-	
4320 8K	321	465	-	-	
6480 12K	143	207	-	-	
ProRes 422 HQ		WRITE		READ	
NTSC/PAL	8206	11868	-	-	
1080 HD	2344	3390	-	-	
2160 4K	585	846	-	-	
4320 8K	137	198	-	-	
6480 12K	62	90	-	-	
H.265		WRITE		READ	
NTSC/PAL	64623	93460	-	-	
1080 HD	23310	33712	-	-	
2160 4K	7272	10517	-	-	
4320 8K	2044	2956	-	-	
6480 12K	-	-	-	-	

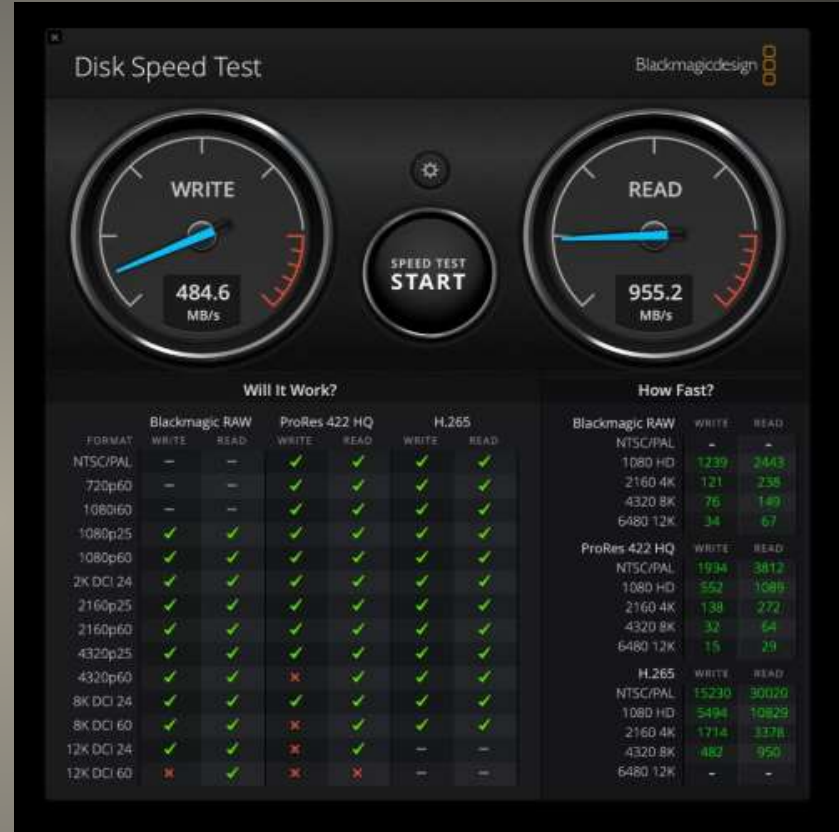
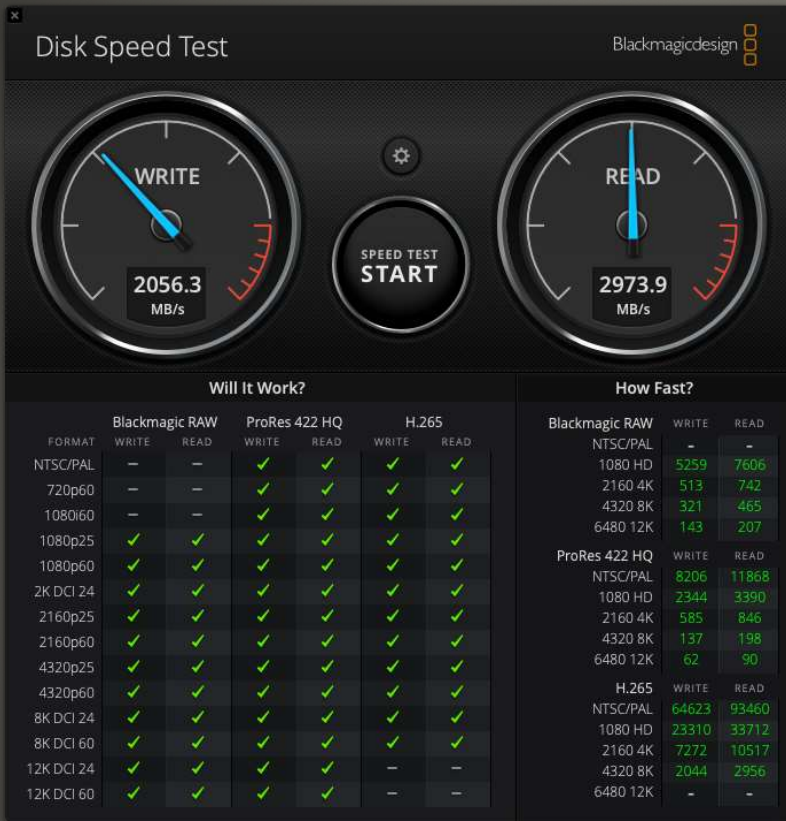
Mac Mini M1



MacBook Pro 2015



USB Disk



Newer Faster

- None of us are as experienced as all of us
- Awareness, Preparedness, Understanding
- Participate
- Topic Suggestions
- Questions: scccMUG@gmail.com



- Helpful < - > Harmful
- Awareness, Preparedness, Understanding

Computer Club, Help Center, SIGs,
Presentations, classes

Cyber Security SIG meetings, NEWSBLOG
Internet

- Questions, suggestions, comments?

SCCCMUG@gmail.com